

# United States Patent [19]

Mauge et al.

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[54] DEVICE FOR RECEIVING AND PROCESSING ROAD INFORMATION

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## [57] ABSTRACT

Device for receiving and processing road information messages transmitted in digital form, each message including at least a first section for indicating the zone of the road network to which the message refers, which device includes for the control of the data processing a data processing unit which is connected to a bus for the transfer of data, to which bus are also connected a reception memory for temporarily storing the received messages, a selection unit enabling the selection from among the stored messages of those concerning a zone to be designated and a presentation unit for presenting the selected messages. The device also includes a message analysis unit which includes a zones table memory, which analysis unit is provided for recognizing the zone in question each time a message is received on the basis of the said first section of the received message and for storing in the zones table, by means of at least one indicator for each message, the received messages according to the zone to which they belong, which selection unit is provided for accessing the zones table and for carrying out the said selection by fetching messages for the designated zone in the zones table.

24 Claims, 10 Drawing Sheets

